

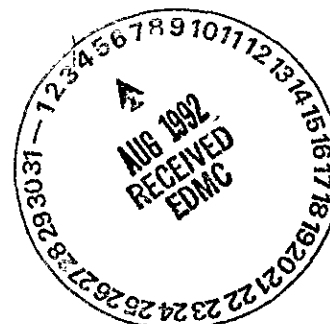


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Action as noted.STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

Mail Stop PV-11 • Olympia, Washington 98504-8711 • (206) 459-6000

July 21, 1992

Mr. Ron Izatt  
U.S. Department of Energy  
P.O. Box 550  
Richland, WA 99352

Dear Mr. Izatt:

Re: Double-Shell Tank System Monitoring Equipment Information  
(M-20-16)Reference: Letter from M. Lerchen, Ecology to J. Newson, dated January  
28th, 1992, titled "Double-Shell Tank System Monitoring  
Equipment". 18942

In the above referenced letter Ecology requested that the Department of Energy (Energy) collect and submit information on the monitoring systems at the Double-shell Tanks (DSTs). This information is required to support the DST Part B Dangerous Waste Permit Application review. Since this letter was sent, it has become increasingly apparent that there are significant deficiencies at the DSTs in regard to monitoring equipment, and Ecology will continue to scrutinize these systems.

To date the only records submitted to Ecology on this matter have been the records collected during the Tank 241-SY-101 inspection. In the DST Unit Managers meetings, Energy's Unit Manager stated that the records were so extensive that it may be in the best interest of both parties for Ecology to focus only on the records for SY-101, since it was expected to be representative of the monitoring equipment across the DSTs. It also became apparent that Energy was under the impression that there had been tacit agreement from Ecology, that this approach was sufficient in the past.

With this letter Ecology is clarifying that the records requested in the referenced letter are expected to be submitted in their entirety. Ecology must have this information in order to adequately review the DST monitoring systems. Energy should begin gathering these records and submit them to Ecology by August 31, 1992. It should be noted that

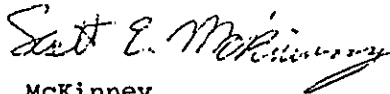
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Ron Izatt  
Page 2.  
July 21, 1992

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nearly six months have gone by since the original request was received by Energy. If you have any questions on this matter please contact me at (206)459-6725.

Sincerely,



Scott E. McKinney  
Double-Shell Tanks Unit Manager  
Nuclear and Mixed Waste Management Program

SM:jw  
Enclosure

cc: Cliff Clark, DOE-RL  
Dan Duncan, EPA  
Dave Jansen, Ecology  
Dave Nylander, Ecology  
Tim Veneziano, WHC  
Steve Wisness, DOE-RL

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STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

Mail Stop PV-11 • Olympia, Washington 98504-8711 • (206) 459-6000

January 28, 1992

Mr. Johnnie Newson  
U.S. Department of Energy  
P.O. Box 550  
Richland, Washington 99352

Re: Double-Shell Tank System Monitoring Equipment

Dear Mr. Newson:

In support of the review of the *Double-Shell Tank System Part B Permit Application*, Ecology is reviewing existing information on tank monitoring equipment. To support this review, please submit information detailing the all monitoring equipment in the double-shell tank system which has activated alarms, malfunctioned, or has given off-normal readings over the past year (January 28, 1991, through January 27, 1992).

Monitoring equipment includes, but is not limited to, all devices intended to detect the following:

- Leaks from the primary tank to the annulus between the primary and secondary tank,
- Leaks from the secondary tank,
- Leaks from the process piping,
- Airborne contamination,
- Tank liquid level,
- Sludge liquid level,
- Tank temperature,
- Tank pressure,

The double-shell tank system includes all primary and secondary tanks, tank liners, liquid waste transfer system piping, jumpers, valves, diversion boxes, pumps, pump pits, catch tanks, monitoring equipment, ventilation systems, cooling system piping, and any other ancillary equipment which may convey liquid, gaseous, or other solid wastes to, from, or within the double-shell tank farms and any additional equipment as described in the *Double-Shell Tank System Dangerous Waste Permit Application*.

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J. Newson  
January 28,,1992

The following information must be provided for each off-normal occurrence, computer automated surveillance system alarm activation, or monitoring equipment malfunction:

- Copies of off-normal occurrence reports and any other safety or maintenance reports,
- Type of monitoring equipment and what it is intended to detect,
- Location of monitoring equipment,
- Date(s) of off-normal event or malfunction,
- Activities necessary to correct the condition, and
- Date(s) the condition was or will be corrected.

Please provide the requested information no later than March 12, 1992. If you have any questions, please contact me at (206)438-3089.

Sincerely,



Megan Lerchen  
DST Unit Manager

cc: Dan Duncan - EPA, Seattle  
Cliff Clark - DOE-RL  
Steve Wisness - DOE-RL  
Tim Veneziano - Administrative Record  
Dave Nylander - Ecology, Kennewick

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# CORRESPONDENCE DISTRIBUTION COVERSHEET

Author

Addressee

Correspondence No.

S. E. McKinney, Ecology

R. D. Izatt, RL

Incoming: 9205223B

Subject: DOUBLE-SHELL TANK SYSTEM MONITORING EQUIPMENT INFORMATION (M-20-16)

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